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Application Serial Number:

Source:

Date Processed by STIC:

y STIC: 8/19/04

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PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
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FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO-REDUCE ERRORED SEQUENCE LISTINGS-PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 2023 Lzip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (http://www.uspto.gov/ebc/efs/downloads/documents.htm, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box-1450, Alexandria, VA 22313-1450
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 U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04 ·





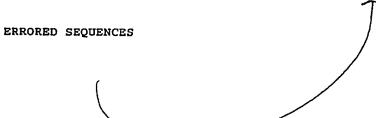
IFW16

RAW SEQUENCE LISTING DATE: 08/19/2004 PATENT APPLICATION: US/10/072,900A TIME: 10:06:51

Input Set : A:\PTO.LM.txt

Output Set: N:\CRF4\08192004\J072900A.raw

```
3 <110> APPLICANT: Aventis Pharma SA
               ARNOULD-REGUIGNE, Isabelle
      5
               PRADES, Catherine
                                                                          Doss No: Comply
               ROSIER-MONTUS, Marie-Francoise
      6
                                                                     Corrected Diskette Needec
      7
               NAUDIN, Laurent
               LEMOINE, Cendrine
      8
      9
               DEAN, Michael
               DENEFLE, Patrice
     12 <120> TITLE OF INVENTION: NUCLEIC ACIDS OF THE HUMAN ABCA12 GENE, VECTORS CONTAINING
SUCH NUCLEIC
     13
              ACIDS, AND USES THEREOF
     15 <130> FILE REFERENCE: 03806.0537
C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/072,900A
C--> 17 <141> CURRENT FILING DATE: 2002-02-12
     17 <150> PRIOR APPLICATION NUMBER: US 60/267,715
     18 <151> PRIOR FILING DATE: 2001-02-12
E--> 20 <160> NUMBER OF SEQ ID NOS: 38 40 P.
22 <170> SOFTWARE: PatentIn version 3.0
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/0/072,900A

<210> 40 last require in submitted file
<211> 68
<212> DNA
<213> Artificial
<220>
<223> primer
<400> 40
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60
tctagagc

68

FI

Use of n and/or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/19/2004 PATENT APPLICATION: US/10/072,900A TIME: 10:06:52

Input Set : A:\PTO.LM.txt

Output Set: N:\CRF4\08192004\J072900A.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

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VERIFICATION SUMMARY DATE: 08/19/2004 PATENT APPLICATION: US/10/072,900A TIME: 10:06:52

Input Set : A:\PTO.LM.txt

Output Set: N:\CRF4\08192004\J072900A.raw

L:17 M:270 C: Current Application Number differs, Replaced Current Application No L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:30 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1 L:318 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:8460 L:320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:8520 L:324 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:8640 L:328 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:8760 L:347 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2 L:531 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:5340 L:627 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:8220 L:629 N:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:8280 L:633 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:8400 L:637 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:8520 L:1222 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5 L:1562 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:1728 L:1742 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6 L:2076 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:1698 L:20 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (38) Counted (40)